Atty. Dkt. No. 068398-0102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Virgil D. Gligor et al.

Title: BLOCK ENCRYPTION METHOD AND SCHEMES FOR DATA
CONFIDENTIALITY AND INTEGRITY PROTECTION

Appl. No.: 09/761,771

Filing Date: 01/18/2001

Examiner: (unassigned)

Art Unit: 2131

PRELIMINARY AMENDMENT TRANSMITTAL

Commissioner for Patents
Washington, D.C. 20231

Sir:

    Transmitted herewith is Amendment A in the above-identified application.

[X]   Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a Small Entity statement previously submitted.

[   ]   Small Entity statement is enclosed.

[X]   The fee required for additional claims is calculated below:

	Claims as Amended		Previously Paid For		Extra Claims Present		Rate		Additional Claims Fee
Total Claims:	82	—	64	=	18	x	$18.00	=	$324.00
Independents:	15	—	12	=	3	x	$80.00	=	$240.00
First presentation of any Multiple Dependent Claims:				+		$270.00		=	$0.00
						CLAIMS FEE TOTAL:		=	$564.00

[   ]   Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

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002.625750.1

[ ]	Extension for response filed within the first month:	$110.00	$0.00
[ ]	Extension for response filed within the second month:	$390.00	$0.00
[ ]	Extension for response filed within the third month:	$890.00	$0.00
[ ]	Extension for response filed within the fourth month:	$1,390.00	$0.00
[ ]	Extension for response filed within the fifth month:	$1,890.00	$0.00
	EXTENSION FEE TOTAL:		$0.00
	CLAIMS AND EXTENSION FEE TOTAL:		$564.00
[X]	Small Entity Fees Apply (subtract ½ of above):		$282.00
	TOTAL FEE:		$282.00

[   ]   Please charge Deposit Account No. 19-0741 in the amount of $282.00. A duplicate copy of this transmittal is enclosed.

[X]   A check in the amount of $282.00 is enclosed.

[X]   The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.
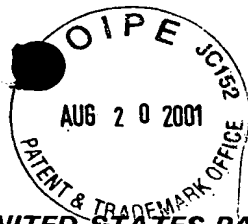
Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date August 20, 2001

By _____

William T. Ellis
Attorney for Applicant
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PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the present application, Applicants respectfully request
that the above-identified application be amended as follows:

Please add the following new claims:

In the Claims:

65.   (New) An encryption method for providing both data confidentiality and
integrity for a message, comprising the steps of:

receiving an input plaintext string comprising a message;

generating a plurality of equal-sized blocks of l bits in length from the input
plaintext string;

creating an MDC block of l bits in length that includes the result of applying a
non-cryptographic Manipulation Detection Code (MDC) function to the plurality of the
equal-sized blocks;

making one and only one processing pass with a single cryptographic primitive
over each of said equal-sized blocks and the MDC block to create a plurality of hidden
ciphertext blocks each of l bits in length; and

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